

Earth Science Unit Study Guide

If our scale of geologic history was 1cm = 1,000,000 years, how long would our scale be if a time period was 165,000,000 years?

Fill in the blanks:

Metamorphic rock -----> melts -----> _____

Igneous rock -----> _____ -----> sediment

Igneous rock -----> heat and pressure -----> _____

_____ -----> cooling -----> igneous rock

Sediment -----> _____ -----> sedimentary rock

_____ -----> heat and pressure -----> metamorphic rock

Write a paragraph. You will take a stand for or against hydrofracking in Finney County. Be sure to back up your position with evidence.

Describe the interior of the earth. Also, describe different types of plate tectonics (divergent, convergent, transform).

Describe what causes the ocean tides.

The shadow on the moon moves from _____ to _____

If the moon is between the sun and the earth, what phase of the moon do we see?

If the earth is between the sun and the moon, what phase of the moon do we see?

If the earth casts a shadow on the moon, what is the term for that?

If the moon casts a shadow on the earth, what is the term for that?

Complete the following chart using the scale 1mm = 800km

Planet	Diameter (km)	Scale Diameter (mm)
Krypton	9,870	
Tatooine	34,200	
Hoth	27,700	
Alderaan	87,100	
Dagobah	121,900	